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2 Abstract of the Disclosure
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4 The present invention relates to a method and a circuit arrangement for
5 evaluating phase signals for determining an angle or a path of a linearly or
6 rotationally displaced component, whereby a number (N) of measured phase
7 values (α), produced by scanning at least one phase sensor arrangement on the
8 linearly or rotatably displaced component by means of an assigned sensor, are
9 evaluated. According to the invention, once the measured phase values (α) have
10 been transformed with a matrix (M_1), a quality level (R) is determined by
11 producing a vector (T) followed by the result of a quantization operation (V)
12 regarding the vector (T). Once a transformation has been carried out with a
13 further matrix (M_4), a further vector (X) is produced from the difference (t)
14 between the vector (T) and the result of the quantization operation (V),
15 coefficients (C_j) and (D_j) being applied to the components (x_j) of said other vector,
16 and the quality level (R) is derived therefrom.
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18 (Figure 1)
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